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Re: U.S. Patent Application for
WIRELESS HEADPHONE APPARATUS AND WIRELESS HEADPHONE SYSTEM
Serial No.: 09/764,851
Filed: January 26, 2004
Atty. Docket No.: 36394

Attachments: Letter requesting correction of Filing Receipt (2 pages);
Copy of Filing Receipt with requested correction noted (2 pages);
Copy of claims as filed showing 1 independent claim (2 pages).

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Keiichi Kobata et al.

Serial No.: 10/764,851

Art Unit: 2643

Filed: January 26, 2004

Title: WIRELESS HEADPHONE APPARATUS AND WIRELESS HEADPHONE SYSTEM

Docket No.: 36394

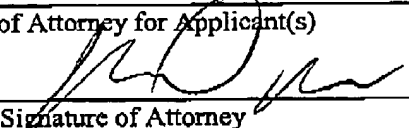
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Sir:

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1

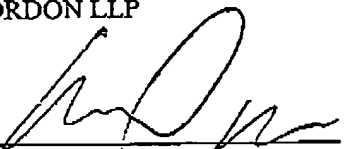
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Respectfully submitted,

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Date: May 10, 2004



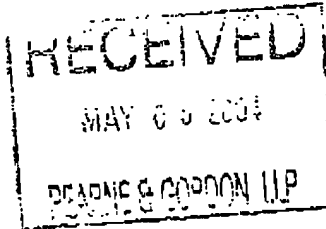
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10/764,851	01/26/2004	2643	770	36394	4	9	2

CONFIRMATION NO. 9784

00116
PEARNE & GORDON LLP
1801 EAST 9TH STREET
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FILING RECEIPT

OC000000012511376

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Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Keiichi Kobata, Machida-shi, JAPAN;
Tetsuya Tsuruoka, Kawasaki-shi, JAPAN;

Domestic Priority data as claimed by applicant

Foreign Applications

JAPAN 2003-023986 01/31/2003
JAPAN 2003-044574 02/21/2003

If Required, Foreign Filing License Granted: 05/03/2004

Projected Publication Date: 08/12/2004

Non-Publication Request: No

Early Publication Request: No

Title

Wireless headphone apparatus and wireless headphone system

Preliminary Class

381

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WHAT IS CLAIMED IS:

Independent

1. A wireless headphone apparatus, comprising:
a plurality of light signal receiving units each for receiving a light signal to
5 produce an electric signal having a signal level;
a plurality of light signal limiting units respectively connected with said
plurality of light signal receiving units in one to one relationship, each of said light
signal limiting units operative to allow only an electric signal having a signal level
10 lower than a predetermined threshold value to pass therethrough and delete an electric
signal having a signal level equal to or greater than said predetermined threshold value;
a signal synthesizing unit for synthesizing said electric signals passed through
said light signal limiting units to produce a synthesized electric signal; and
speaker means for outputting a sound in response to said synthesized electric
signal.

15. Dependent

2. A wireless headphone apparatus as set forth in claim 1, in which
said light signal receiving units are constituted by at least two light signal
receiving units.

Dependent

- 20 3. A wireless headphone apparatus as set forth in claim 1, in which
said speaker means is constituted by a right speaker and a left speaker.

Dependent

4. A wireless headphone apparatus as set forth in claim 1, in which
said light signal receiving units are placed in the vicinity of said right speaker
25 and said left speaker.

Dependent

5. A wireless headphone apparatus as set forth in claim 1, in which
speaker means is further constituted by a right speaker, a left speaker, and a
housing having a first axis passing through said right speaker and said left speaker,
30 at least one of said light signal receiving units is placed on a second axis
substantially perpendicular to said first axis and passing through a middle point of said
first axis in equidistantly spaced relationship with said right speaker and said left
speaker.

Dependent

- 35 6. A wireless headphone apparatus as set forth in claim 1, in which
said speaker means is further constituted by a right speaker, a left speaker, and

a housing having a first axis passing through said right speaker and said left speaker, and a second axis substantially perpendicular to said first axis and passing through a middle point of said first axis in equidistantly spaced relationship with said right speaker and said left speaker,

- 5 said light signal receiving units are opposing to each other across a plane passing through said first axis and said second axis.

Dependent (multiple)

7. A wireless headphone system, comprising:

- 10 a light signal emitting apparatus for emitting a light signal; and
a wireless headphone apparatus as set forth in claim 1 to 6, and in which
each of said plurality of light signal receiving units of said wireless headphone
apparatus is operative to receive said light signal emitted by said light signal emitting
apparatus.

Dependent

- 15 8. A wireless headphone system as set forth in claim 7, in which
said light signal emitting apparatus is provided in a vehicle, and
each of said light signal receiving units of said wireless headphone apparatus is
operative to receive said light signal emitted by said light signal emitting apparatus in
the vehicle.

20 Dependent

9. A wireless headphone system as set forth in claim 8, in which
said light signal emitting apparatus is provided on a ceiling of the vehicle.